

## TC-400 Radar Speed Sign

### *Lightweight...Portable...Affordable*

The TC-400 is a battery powered radar speed sign offering the ultimate in portable traffic calming. Using a new modular design, and built with the legendary quality standards that Radarsign is known for, the TC-400 is lightweight, easy to install, extremely durable and affordably priced.

**Lightweight** - Radar speed sign weighs only 20 lbs.

**Modular Design** - The new modular design of the radar speed sign along with the mounting technology of Radarsign's GoBracket make mounting and un-mounting the sign a quick, easy process. One person can easily install or relocate the TC-400 in about a minute.

**Field exchangeable battery packs** - Runs for +/- 2 weeks on fully charged battery packs. Modular design allows the battery packs to be easily swapped in the field for the extended use of the sign in a location.

**Affordable** - The TC-400 is a portable system that allows a single radar speed sign to be used in multiple locations making it a valuable investment for any community, police department, or business.

- Target problem speeding areas in neighborhoods, private communities, school zones and corporate campuses, work and construction zones
- A great alternative to speed trailers at less than half the cost; can be used in many locations where a speed trailer will not fit or would be unsafe
- Seasonal applications such as back to school, summer tourist, holiday shopping
- Anywhere a short term use is desired

**Durable** - Internal .25" Bashplate to protect components from abuse or vandalism

**Exceptional visibility** - 11" super bright amber LEDs with directional beam technology focus light toward the road; automatically adjusts to ambient light conditions, providing the highest quality viewable display with minimum energy usage. Easily readable up to 500 feet.

**Faceplate** - 24"W x 21"H YOUR SPEED faceplate with 3" lettering;  
Available in white, fluorescent yellow, or safety orange

**Design Standards** - Meets MUTCD design guidelines

**Radar** - Detects vehicles up to 1200 feet away

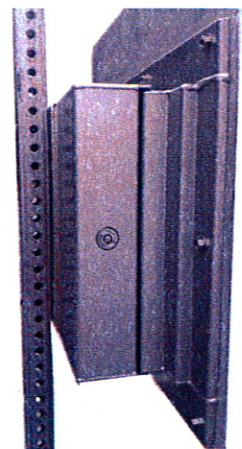
**Bluetooth® Communication** - Allows secure wireless operation of radar speed sign and data collection directly to laptop from the comfort of a nearby vehicle

**Warranty** - Two year warranty on parts and labor; One year on battery packs.  
Does not cover malicious abuse, theft, or damage due to unauthorized modification.

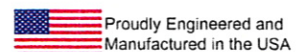
**Traffic Data Option** - Radar speed sign records traffic data that can be used to confirm date, time, and severity of speeding problem. Requires optional *Streetsmart* software license to generate charts and graphs.



**Exceptional visibility**



**Modular design**





# TC-400 Radar Speed Sign Specifications



Proudly Engineered and  
Manufactured in the USA

## Power Options

- TC-400 (Battery Powered): Dual 12-volt, 18 A/H Ni-MH battery packs; includes AC adapter/charger
- Power Consumption: < 2.5 amps (24w) at maximum intensity; Idle mode < 1 watt; Circuit Breaker: Multi-circuit, 5 amp fuses

## YOUR SPEED Faceplate

- 24"W x 21"H YOUR SPEED faceplate with 3" lettering
- Manufactured with highest grade reflectivity backing
- Available in white, fluorescent yellow or safety orange

## Standard Programming

- On/Off Timer Options:** 4 timers per day, also by day of week. Settings allow lower speed limits for school zone times and for late night display shutoff.
- Display On/Off:** Allows traffic data collection to continue even when display is off
- Display Brightness Control:** Auto adjusts to light conditions, up to 100 levels
- Setup Functions:** Easy to follow menu - software managed, no mechanical switches to operate
- Maximum Speed Cutoff:** Prevents unwanted high speed displays; up to 99 mph; discourages "racing" of sign. Choice of flashing matrix, or LED display cutoff.
- Date/Time Control:** Battery backed real-time clock auto-adjusts for daylight savings time

## Speed Alert

- 2 speeds of flashing LEDS to notify drivers that are exceeding the speed limit
- Delay option to alert speeders above posted speed limit

## Mini-SD Memory Card

- System Storage Capacity: stores data on up to 5 million vehicles

## Bluetooth® Communication

- Allows secure wireless operation of radar speed sign and data collection directly to your laptop from the comfort of a nearby vehicle



## Operating Temperatures

- 40° F to +138° F

## Weight

- Radar speed sign: 20 lbs.

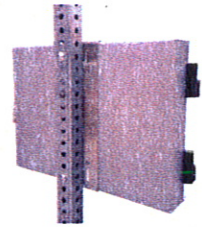
## Traffic Data Option

- StreetSmart Traffic statistics software to report, organize and analyze speed and traffic data



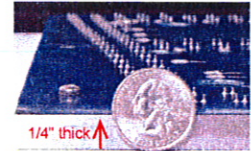
## Radar Speed Sign Housing

- Dimensions: 16.25"H x 22.75"W x 2.375"D
- .1875" thick aluminum with silver powder coat finish
- NEMA 3R level compliant
- Humidity Maximum: 100%
- Provides maximum protection from the elements & vandalism



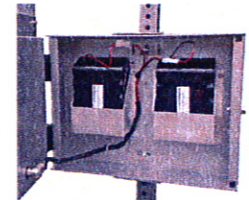
## BASHPLATE™ with LED cones

- Internal .25" aluminum shield to protect components from abuse or vandalism
- Conical holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage.



## Battery Housing

- 12.5"H x 17"W x 2.75"D
- .1875" thick powder-coated aluminum
- Holds up to two 12 volt, Ni-MH battery packs (field exchangeable)



## LEDs

- 2 digits, 11" high super bright amber LEDs (life up to 100,000 hours) with directional beam technology
- Automatic intensity adjustment to ambient light conditions for maximum visibility



## GE Lexan™ Display Cover

- .25" thick protective cover
- Abrasion, graffiti and shatter resistant
- UV protection

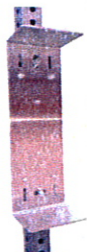


## Radar

- Type: K Band, single direction Doppler radar, FCC part 15 compliant
- Sensor Range: Detects vehicles up to 1200 feet
- Beam Width: 12 degrees, +/- 2 degrees
- Operating Frequency: 24.125 GHz, +/- 50 MHz
- Accuracy: +/- 1 mph
- Speed Detection Range: 5 - 127 mph

## Stainless Steel Mounting GoBracket

- 12.75"H x 4.5"W x 2.9"
- Universal design allows strapping, banding, pipe clamps, or bolting to almost any size/style of pole
- GoBracket allows for easy mounting of battery housing and radar speed sign in about a minute



## Warranty

- 2 year warranty on parts and labor; 1 year on battery packs
- Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification

# Master Data Report WB

## DAILY 1/2 HOUR SEGMENT RECORDS

Day	Time	# Vehicles	# Violators	Peak MPH	% Violators	AVG. MPH	MPH Ranges	# Vehicles	# Vehicles PS	Daily Summary	Totals
WEDNESDAY	12:00 AM	3	0	25	0.0%	19.7	5-10 MPH	29	12	Date	12-Aug-15
WEDNESDAY	12:30 AM	2	0	23	0.0%	18.5	11-15 MPH	23	21	Vehicle Count	416
WEDNESDAY	1:00 AM	3	0	25	0.0%	20.0	16-20 MPH	94	56	# Violations AVG	140
WEDNESDAY	1:30 AM	0	0	0	0.0%	0.0	21-25 MPH	130	114	% Violations AVG	33.7
WEDNESDAY	2:00 AM	3	1	30	33.3%	23.7	26-30 MPH	98	130	# Violations PK	213
WEDNESDAY	2:30 AM	3	1	32	33.3%	23.7	31-35 MPH	30	66	% Violations PK	51.2
WEDNESDAY	3:00 AM	3	1	33	33.3%	23.0	36-40 MPH	10	15	% Violators > 5mph AVG	10.1
WEDNESDAY	3:30 AM	3	1	30	33.3%	18.3	41-45 MPH	0	0	% Violators > 10mph AVG	2.9
WEDNESDAY	4:00 AM	3	1	30	33.3%	19.0	46-50 MPH	1	1	% Violators > 5mph PK	20.0
WEDNESDAY	4:30 AM	1	0	21	0.0%	19.0	51-55 MPH	1	1	% Violators > 10mph PK	4.1
WEDNESDAY	5:00 AM	3	1	29	33.3%	18.7	56-60 MPH	0	0	MPH Avg	22.6
WEDNESDAY	5:30 AM	2	0	29	0.0%	24.0	61+ MPH	0	0	Peak Speed	52
WEDNESDAY	6:00 AM	8	3	31	37.5%	21.5				50th %tile	26.0
WEDNESDAY	6:30 AM	10	5	33	50.0%	25.3				85th %tile	32.0
WEDNESDAY	7:00 AM	12	2	31	16.7%	20.3				# Non-Speeders AVG	276
WEDNESDAY	7:30 AM	13	6	36	46.2%	26.2				# Non-Speeders PK	203
WEDNESDAY	8:00 AM	8	1	30	12.5%	21.4					
WEDNESDAY	8:30 AM	13	5	39	38.5%	23.4					
WEDNESDAY	9:00 AM	8	5	52	62.5%	27.6					
WEDNESDAY	9:30 AM	7	3	40	42.9%	25.1					
WEDNESDAY	10:00 AM	7	3	33	42.9%	26.0					
WEDNESDAY	10:30 AM	2	0	14	0.0%	9.5					
WEDNESDAY	11:00 AM	9	4	37	44.4%	24.0					
WEDNESDAY	11:30 AM	8	2	33	25.0%	19.5					
WEDNESDAY	12:00 PM	8	5	35	62.5%	25.8					
WEDNESDAY	12:30 PM	18	5	37	27.8%	18.2					
WEDNESDAY	1:00 PM	16	7	37	43.8%	25.9					
WEDNESDAY	1:30 PM	9	3	35	33.3%	19.7					
WEDNESDAY	2:00 PM	12	3	33	25.0%	22.2					
WEDNESDAY	2:30 PM	10	5	36	50.0%	24.9					
WEDNESDAY	3:00 PM	13	7	39	53.8%	26.0					
WEDNESDAY	3:30 PM	16	8	39	50.0%	25.4					
WEDNESDAY	4:00 PM	14	8	50	57.1%	25.6					
WEDNESDAY	4:30 PM	8	6	35	75.0%	27.8					
WEDNESDAY	5:00 PM	19	5	40	26.3%	20.6					
WEDNESDAY	5:30 PM	23	6	35	26.1%	22.4					
WEDNESDAY	6:00 PM	13	4	34	30.8%	22.2					
WEDNESDAY	6:30 PM	13	2	30	15.4%	19.5					
WEDNESDAY	7:00 PM	18	5	31	27.8%	20.8					
WEDNESDAY	7:30 PM	15	0	30	0.0%	19.0					
WEDNESDAY	8:00 PM	12	2	30	16.7%	21.8					
WEDNESDAY	8:30 PM	14	4	31	28.6%	19.7					
WEDNESDAY	9:00 PM	12	3	34	25.0%	22.5					
WEDNESDAY	9:30 PM	1	1	38	100.0%	31.0					
WEDNESDAY	10:00 PM	3	1	31	33.3%	20.0					
WEDNESDAY	10:30 PM	7	1	30	14.3%	22.1					
WEDNESDAY	11:00 PM	5	3	38	60.0%	27.0					
WEDNESDAY	11:30 PM	3	1	30	33.3%	21.7					



# Master Data Report WB

## DAILY 1/2 HOUR SEGMENT RECORDS

Day	Time	# Vehicles	# Violators	Peak MPH	% Violators	AVG. MPH	MPH Ranges	# Vehicles	# Vehicles PS	Daily Summary	Totals
THURSDAY	12:00 AM	2	1	31	50.0%	25.0	5-10 MPH	18	8	Date	13-Aug-15
THURSDAY	12:30 AM	0	0	0	0.0%	0.0	11-15 MPH	23	12	Vehicle Count	462
THURSDAY	1:00 AM	0	0	0	0.0%	0.0	16-20 MPH	100	51	# Violations AVG	106
THURSDAY	1:30 AM	1	0	26	0.0%	21.0	21-25 MPH	215	144	% Violations AVG	22.9
THURSDAY	2:00 AM	0	0	0	0.0%	0.0	26-30 MPH	88	172	# Violations PK	247
THURSDAY	2:30 AM	1	0	32	0.0%	24.0	31-35 MPH	11	62	% Violations PK	53.5
THURSDAY	3:00 AM	1	0	23	0.0%	23.0	36-40 MPH	5	11	% Violators > 5mph AVG	3.9
THURSDAY	3:30 AM	4	0	25	0.0%	16.3	41-45 MPH	2	2	% Violators > 10mph AVG	1.5
THURSDAY	4:00 AM	1	0	20	0.0%	19.0	46-50 MPH	0	0	% Violators > 5mph PK	16.2
THURSDAY	4:30 AM	0	0	0	0.0%	0.0	51-55 MPH	0	0	% Violators > 10mph PK	2.8
THURSDAY	5:00 AM	1	0	27	0.0%	25.0	56-60 MPH	0	0	MPH Avg	22.3
THURSDAY	5:30 AM	1	1	27	100.0%	26.0	61+ MPH	0	0	Peak Speed	42
THURSDAY	6:00 AM	8	1	30	12.5%	21.3				50th %tile	26.0
THURSDAY	6:30 AM	9	4	32	44.4%	22.4				85th %tile	31.0
THURSDAY	7:00 AM	12	2	33	16.7%	21.9				# Non-Speeders AVG	356
THURSDAY	7:30 AM	24	6	39	25.0%	22.2				# Non-Speeders PK	215
THURSDAY	8:00 AM	9	3	29	33.3%	23.0					
THURSDAY	8:30 AM	9	1	31	11.1%	22.7					
THURSDAY	9:00 AM	4	2	38	50.0%	26.3					
THURSDAY	9:30 AM	6	3	33	50.0%	23.3					
THURSDAY	10:00 AM	3	2	31	66.7%	26.0					
THURSDAY	10:30 AM	10	2	27	20.0%	16.8					
THURSDAY	11:00 AM	7	1	27	14.3%	20.3					
THURSDAY	11:30 AM	8	0	26	0.0%	18.4					
THURSDAY	12:00 PM	12	3	32	25.0%	23.8					
THURSDAY	12:30 PM	10	0	26	0.0%	21.5					
THURSDAY	1:00 PM	13	5	33	38.5%	22.7					
THURSDAY	1:30 PM	5	1	31	20.0%	20.8					
THURSDAY	2:00 PM	15	6	39	40.0%	24.1					
THURSDAY	2:30 PM	7	1	32	14.3%	20.9					
THURSDAY	3:00 PM	19	6	42	31.6%	23.4					
THURSDAY	3:30 PM	14	4	36	28.6%	21.9					
THURSDAY	4:00 PM	25	6	36	24.0%	22.6					
THURSDAY	4:30 PM	20	7	35	35.0%	24.3					
THURSDAY	5:00 PM	18	5	38	27.8%	24.3					
THURSDAY	5:30 PM	30	4	40	13.3%	21.0					
THURSDAY	6:00 PM	30	9	42	30.0%	23.3					
THURSDAY	6:30 PM	27	7	33	25.9%	23.3					
THURSDAY	7:00 PM	19	1	31	5.3%	21.3					
THURSDAY	7:30 PM	9	0	30	0.0%	21.2					
THURSDAY	8:00 PM	18	3	39	16.7%	20.7					
THURSDAY	8:30 PM	11	3	32	27.3%	22.6					
THURSDAY	9:00 PM	7	2	35	28.6%	22.6					
THURSDAY	9:30 PM	8	0	34	0.0%	23.0					
THURSDAY	10:00 PM	2	0	21	0.0%	17.5					
THURSDAY	10:30 PM	14	1	35	7.1%	21.4					
THURSDAY	11:00 PM	7	2	40	28.6%	22.3					
THURSDAY	11:30 PM	1	1	29	100.0%	28.0					

# Master Data Report

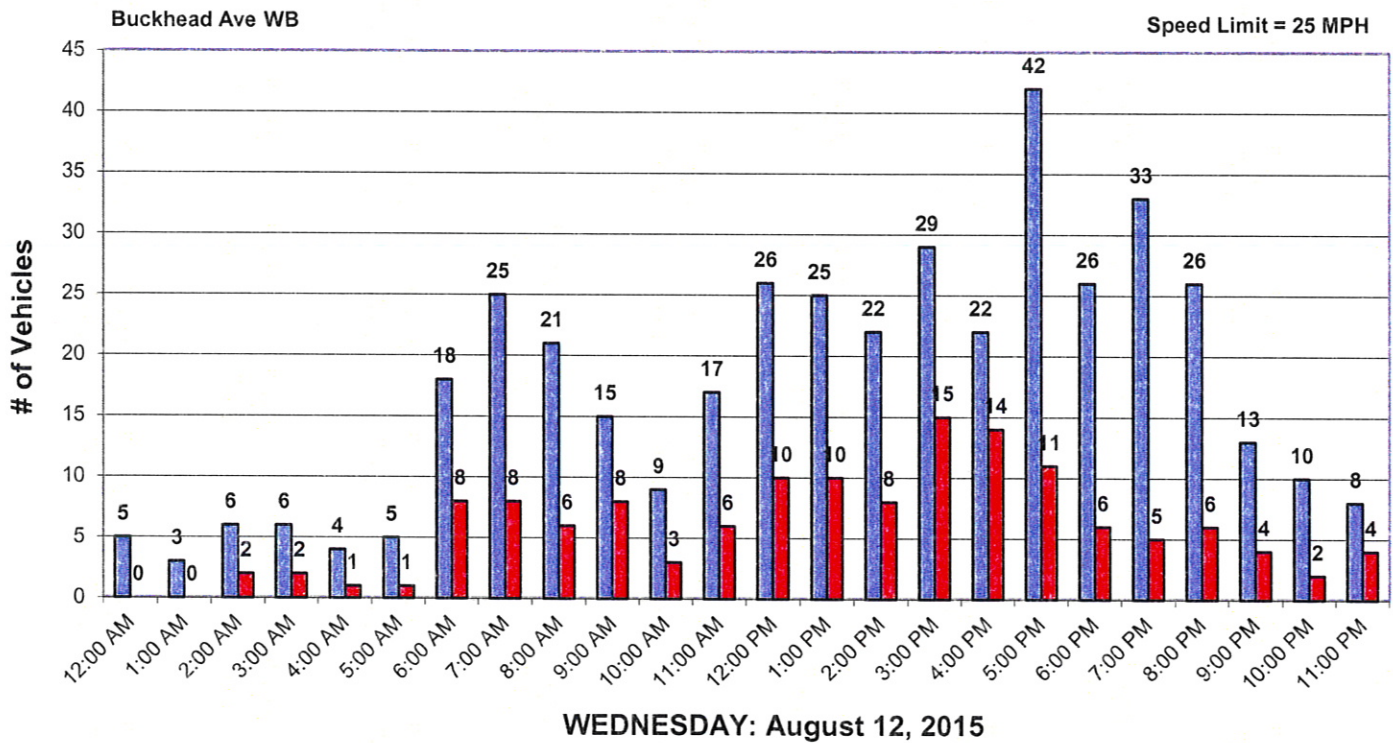
WB

## DAILY 1/2 HOUR SEGMENT RECORDS

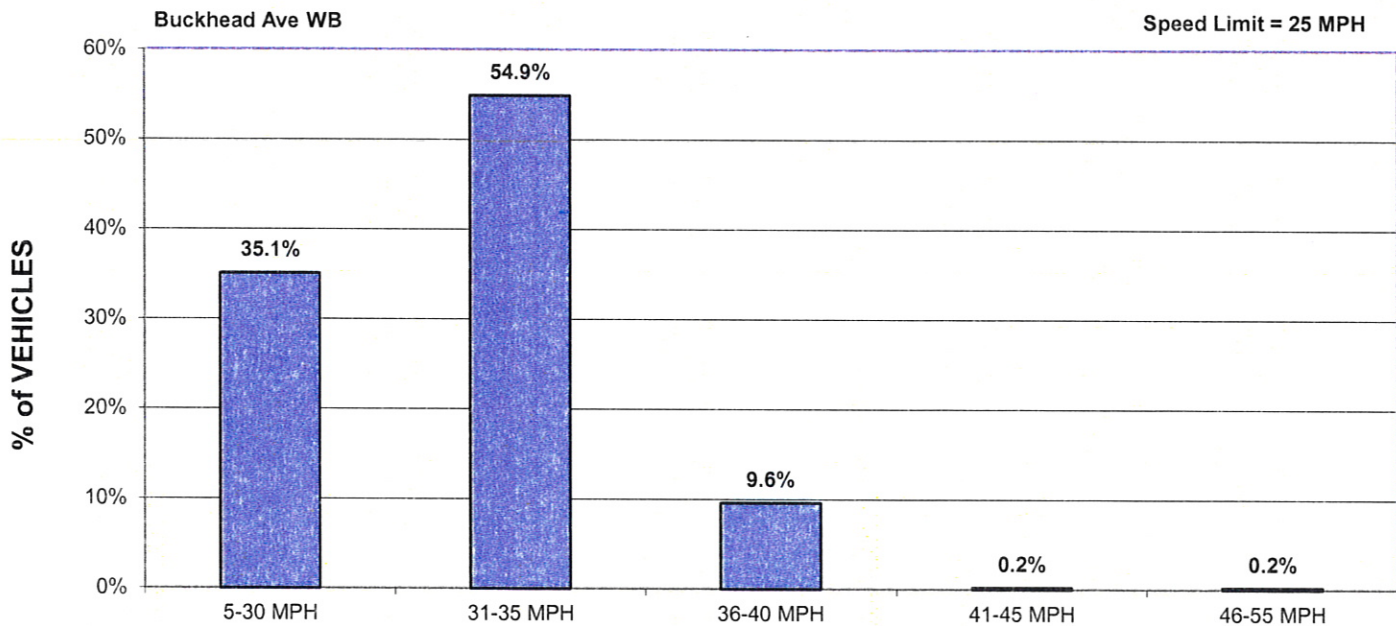
Day	Time	# Vehicles	# Violators	Peak MPH	% Violators	AVG. MPH	MPH Ranges	# Vehicles	# Vehicles PS	Daily Summary	Totals
MONDAY	12:00 AM	2	1	39	50.0%	28.0	5-10 MPH	13	4	Date	17-Aug-15
MONDAY	12:30 AM	1	0	18	0.0%	9.0	11-15 MPH	30	11	Vehicle Count	489
MONDAY	1:00 AM	0	0	0	0.0%	0.0	16-20 MPH	128	65	# Violations AVG	101
MONDAY	1:30 AM	0	0	0	0.0%	0.0	21-25 MPH	217	166	% Violations AVG	20.7
MONDAY	2:00 AM	2	1	31	50.0%	25.0	26-30 MPH	78	178	# Violations PK	243
MONDAY	2:30 AM	2	0	27	0.0%	19.5	31-35 MPH	19	57	% Violations PK	49.7
MONDAY	3:00 AM	1	0	22	0.0%	22.0	36-40 MPH	3	6	% Violators > 5mph AVG	4.7
MONDAY	3:30 AM	3	1	30	33.3%	18.0	41-45 MPH	1	2	% Violators > 10mph AVG	0.8
MONDAY	4:00 AM	0	0	0	0.0%	0.0	46-50 MPH	0	0	% Violators > 5mph PK	13.3
MONDAY	4:30 AM	0	0	0	0.0%	0.0	51-55 MPH	0	0	% Violators > 10mph PK	1.6
MONDAY	5:00 AM	2	1	30	50.0%	24.0	56-60 MPH	0	0	MPH Avg	22.0
MONDAY	5:30 AM	2	2	31	100.0%	29.0	61+ MPH	0	0	Peak Speed	43
MONDAY	6:00 AM	4	2	31	50.0%	26.5				50th %tile	26.0
MONDAY	6:30 AM	4	2	35	50.0%	25.5				85th %tile	30.0
MONDAY	7:00 AM	27	7	37	25.9%	23.0				# Non-Speeders AVG	388
MONDAY	7:30 AM	42	7	40	16.7%	22.4				# Non-Speeders PK	246
MONDAY	8:00 AM	33	6	33	18.2%	22.0					
MONDAY	8:30 AM	15	6	43	40.0%	24.7					
MONDAY	9:00 AM	4	3	32	75.0%	26.5					
MONDAY	9:30 AM	6	0	28	0.0%	20.7					
MONDAY	10:00 AM	12	5	32	41.7%	22.3					
MONDAY	10:30 AM	9	1	31	11.1%	21.2					
MONDAY	11:00 AM	12	0	29	0.0%	16.8					
MONDAY	11:30 AM	12	2	35	16.7%	20.3					
MONDAY	12:00 PM	10	3	32	30.0%	23.5					
MONDAY	12:30 PM	9	2	33	22.2%	22.7					
MONDAY	1:00 PM	9	1	29	11.1%	22.1					
MONDAY	1:30 PM	7	0	30	0.0%	19.1					
MONDAY	2:00 PM	10	1	29	10.0%	18.8					
MONDAY	2:30 PM	15	1	33	6.7%	21.9					
MONDAY	3:00 PM	17	2	37	11.8%	22.5					
MONDAY	3:30 PM	27	2	39	7.4%	20.9					
MONDAY	4:00 PM	19	2	34	10.5%	20.6					
MONDAY	4:30 PM	24	2	34	8.3%	20.9					
MONDAY	5:00 PM	16	8	41	50.0%	25.5					
MONDAY	5:30 PM	17	6	34	35.3%	24.2					
MONDAY	6:00 PM	19	5	34	26.3%	22.6					
MONDAY	6:30 PM	15	7	34	46.7%	24.6					
MONDAY	7:00 PM	15	4	35	26.7%	22.2					
MONDAY	7:30 PM	12	2	34	16.7%	22.5					
MONDAY	8:00 PM	18	0	28	0.0%	18.3					
MONDAY	8:30 PM	15	2	37	13.3%	21.6					
MONDAY	9:00 PM	2	0	27	0.0%	22.0					
MONDAY	9:30 PM	3	3	34	100.0%	27.3					
MONDAY	10:00 PM	5	1	28	20.0%	20.8					
MONDAY	10:30 PM	5	0	30	0.0%	19.6					
MONDAY	11:00 PM	2	0	25	0.0%	21.5					
MONDAY	11:30 PM	3	0	25	0.0%	21.7					

## # Vehicles and Violators - 60 Minute Segments

# Vehicles # Violators



## Avg. Speeds by Percentage

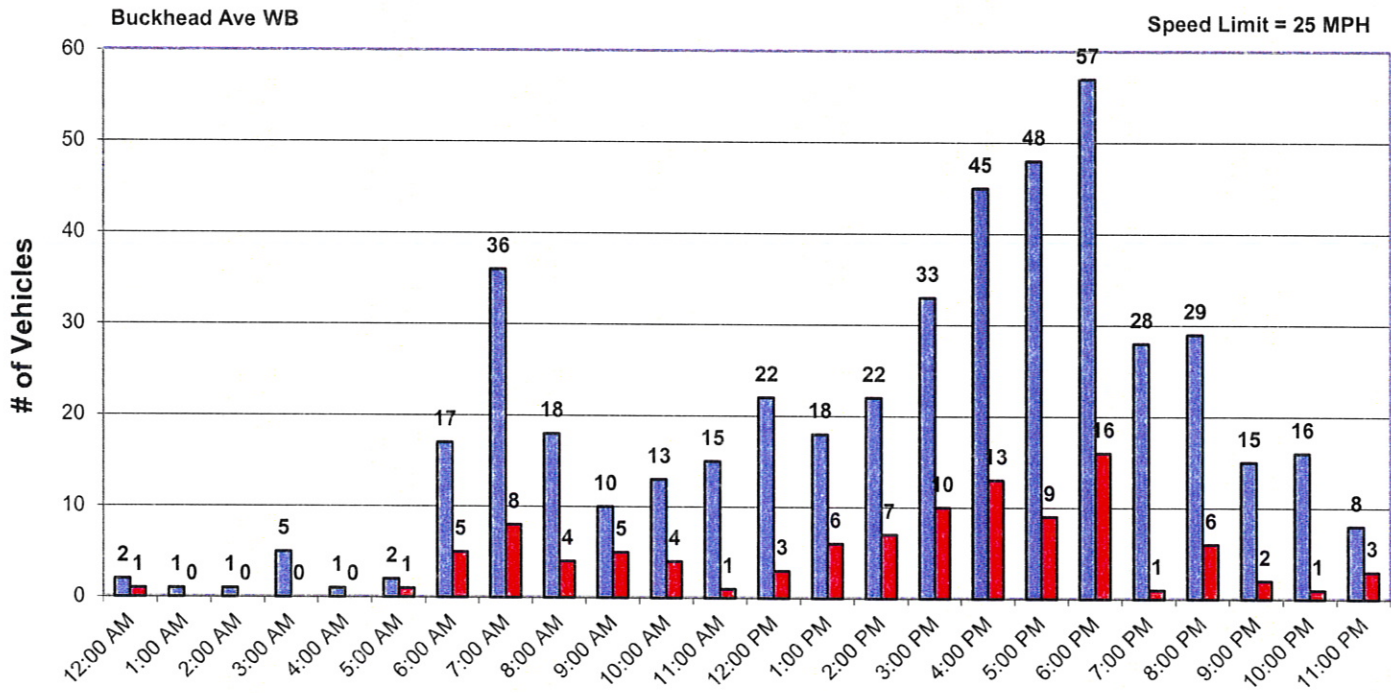


**WEDNESDAY: August 12, 2015**



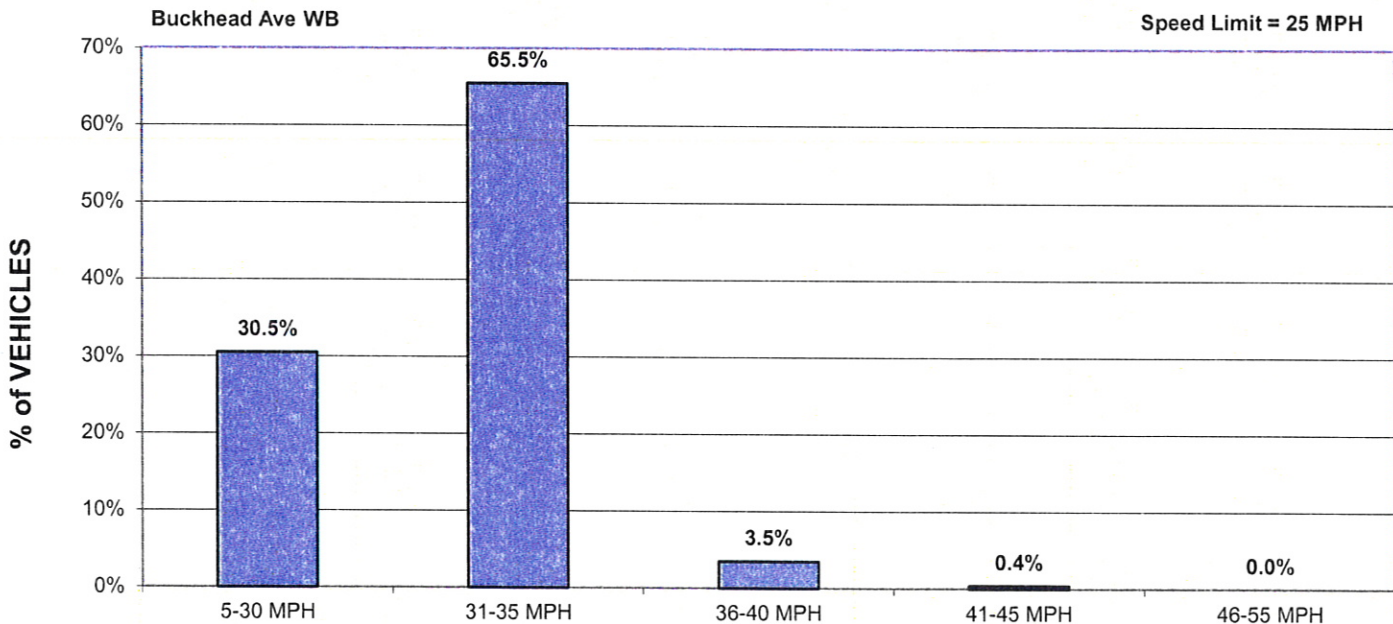
## # Vehicles and Violators - 60 Minute Segments

# Vehicles # Violators



**THURSDAY: August 13, 2015**

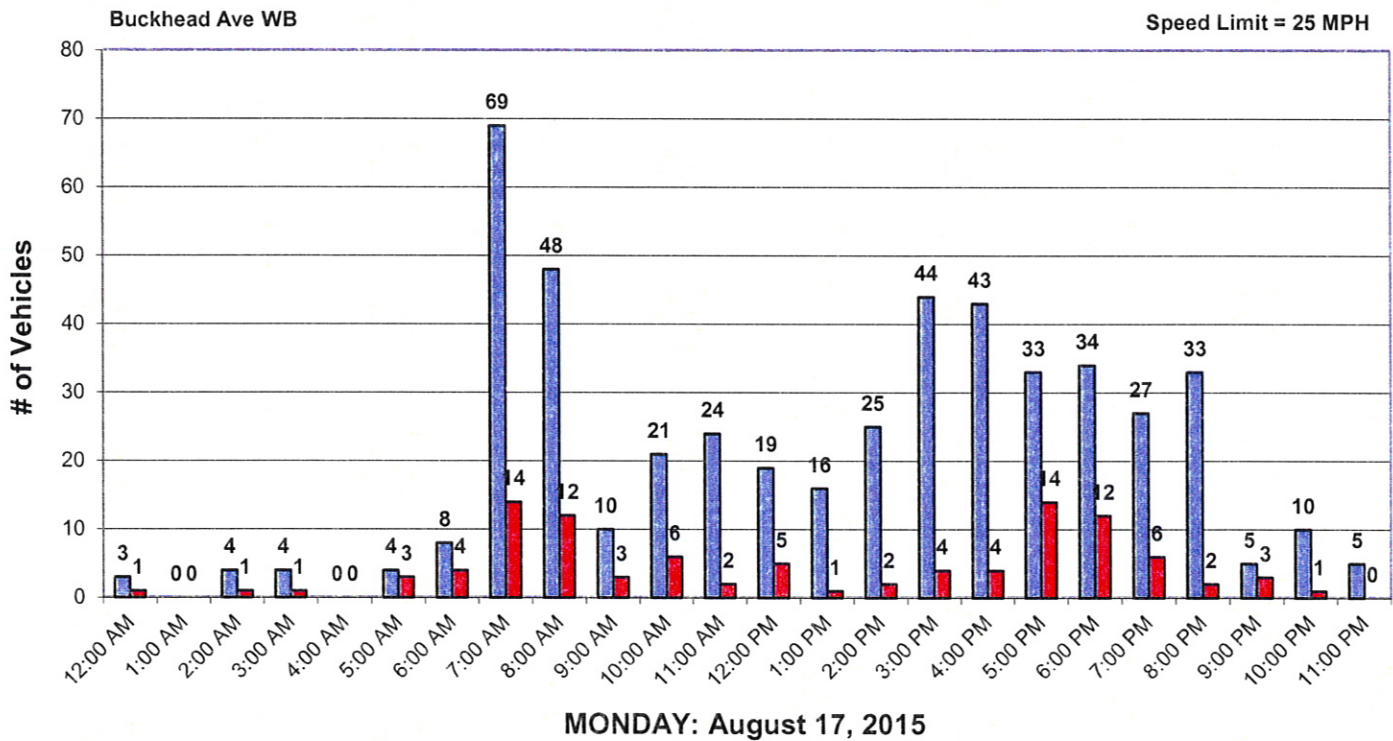
## Avg. Speeds by Percentage



**THURSDAY: August 13, 2015**

## # Vehicles and Violators - 60 Minute Segments

# Vehicles # Violators



## Avg. Speeds by Percentage

